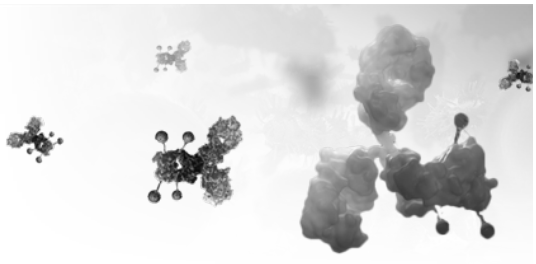

Human MSH3 peptide (DAG-P0944)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	The protein encoded by this gene forms a heterodimer with MSH2 to form MutS beta, part of the post-replicative DNA mismatch repair system. MutS beta initiates mismatch repair by binding to a mismatch and then forming a complex with MutL alpha heterodimer. This gene contains a polymorphic 9 bp tandem repeat sequence in the first exon. The repeat is present 6 times in the reference genome sequence and 3-7 repeats have been reported. Defects in this gene are a cause of susceptibility to endometrial cancer. [provided by RefSeq, Mar 2011]
Purity	70 - 90% by HPLC.
Conjugate	Unconjugated
Sequence Similarities	Belongs to the DNA mismatch repair mutS family. MSH3 subfamily.
Format	Liquid
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

GENE INFORMATION

Gene Name	MSH3 mutS homolog 3 [Homo sapiens (human)]
Official Symbol	MSH3
Synonyms	MSH3; mutS homolog 3; DUP; MRP1; DNA mismatch repair protein Msh3; hMSH3; mismatch repair protein 1; divergent upstream protein;
Entrez Gene ID	4437

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221

mRNA Refseq	NM_002439.4
Protein Refseq	NP_002430.3
UniProt ID	A1L480
Chromosome Location	5q11-q12
Pathway	Colorectal cancer, organism-specific biosystem; Colorectal cancer, conserved biosystem; Mismatch repair, organism-specific biosystem; Mismatch repair, conserved biosystem; Pathways in cancer, organism-specific biosystem;
Function	ATP binding; DNA-dependent ATPase activity; Y-form DNA binding; centromeric DNA binding; contributes_to dinucleotide insertion or deletion binding; contributes_to dinucleotide repeat insertion binding; double-strand/single-strand DNA junction binding; enz

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221